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Technical Sheet PLATINUM / ADDITION CURE SILICONE RTV (Platinum Based—R-2000 Systems)

DESCRIPTION

Addition Cure Silicone RTVs are excellent tooling rubbers that produce high strength molds or parts with long library shelf life and extreme dimensional stability. Shore hardness ranges from 10 to 80 Shore A. Addition Cure Silicones solidify with the appropriate amount of catalyst without any moisture and will deep-section cure in entirety in a closed system; there need not be atmospheric exposure for curing.

Properties of Addition Cure Silicone:

- 1) Heat Stability up to 600F
- 2) Resistant to Nicking
- 3) Good Resistance to Urethane Resins for High Production Use
- 4) High Tensile
- 5) Firm Rubber Tools for Composite Manufacturing
- 6) Heat Accelerated Cure
- 7) Virtually Zero Shrinkage

CURE INHIBITION

Addition Cure Silicone RTV's will not cure over certain surfaces. A contaminating surface causes RTV to remain gummy and tacky in those areas. If any of the substances or related substances listed below is being used, please pre-test by applying RTV on a localized area and allow 24 hour cure on substrate to determine compatibility.

Possible Inhibiting Substances:

- Amines-Epoxy
- Acetone, MEK
- Adhesive Tapes
- Bondo Coatings, Paints, Solvents
- Condensation (Tin) Silicone RTV-- R-1000 Systems
- Carrier
- Clay-Sulfur Based
- Chlorinated Solvents
- Composites Pre-Preg
- Cyanoacrylate Adhesives—Super Glue
- Polyester Gel Coats
- Gloves made of Latex **Nitrile and Vinyl—recommend test
- Heavy Moisture
- Polyester Paints
- Sulfur Cured-Organic Rubber
- Some Urethanes—TDI Urethanes

If any assistance is needed on proper system selection for your application or for any other reason, please contact Technical Support.

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST ANY APPLICATION AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT.